IN THE ABSTRACT:

Please replace the abstract, lines 2-13 on page 62, with the following single paragraph.

Methods and apparatus for spreading and concentrating information ~~are taught. The present invention relates~~ to constant-weight ~~encoding of~~ encode data words on a parallel data line bus while allowing communication of information across sub-word ~~paths.~~

~~In~~ paths. In one embodiment, ~~of the present invention,~~ data transfer rates previously obtained only with differential ~~architecture~~ architectures are achieved by only a small increase in line count above single ended ~~architecture~~ architectures. For example, an 18-bit data word requires 22 encoded data lines for transmission, where previously, 16 and 32 lines would be required to transmit un-coded data with single-ended and differential architectures respectively. Constant-weight parallel encoding maintains constant current in the parallel-encoded data lines and the high and low potential driver circuits for the signal lines.